



## Installation Qualification Procedures UPDATE

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### TRILUTION® LH Software v3.0 Service Pack

The Installation Qualification (IQ) procedures are aimed at end users who are implementing GLP-type requirements and can be readily incorporated into proprietary Standard Operating Procedures (SOPs).

## 1. Product Identification

### *Manufacturer*

Gilson, Inc.  
3000 Parmenter Street  
PO Box 620027  
Middleton, WI 53562-0027 USA

**Service Pack Name:** Gilson TRILUTION LH 3.0 Service Pack 4

## 2. Pre-Installation

Install TRILUTION LH Software v3.0 as described in the TRILUTION LH Software v3.0 Installation Guide.



## PC Specifications

TRILUTION LH Software runs best under specified PC configurations. PC specifications should be verified before installing the software.

### Recommended PC Configuration for TRILUTION® LH v3.0 Software

<b>Processor</b>	Quad Core (2.8 GHz)
<b>Memory (RAM)</b>	8.0 GB
<b>Hard Drive</b>	500 GB–1 TB (50 GB at install)
<b>I/O Ports</b>	One Serial port required for control of Gilson RS-232 instruments: Native or Express Card RS-232 Adapter*
	Additional Serial ports for GEARS Devices: USB to RS-232 Adapter*
	One Ethernet port
	One USB 2.0 or USB 3.0 port
<b>Additional Drive</b>	CD-ROM or DVD-ROM
<b>Display</b>	Resolution: 1440 x 900 (or greater)
	Colors: True Color (32-bit)
	Text Size: 100%
<b>Operating System</b>	Microsoft® Windows® 7 Professional SP1 (64-bit)
	Microsoft® Windows® 7 Professional SP1 (32 bit)
	Microsoft® Windows® 7 Ultimate SP1 (32 bit)
* Contact your local Gilson representative for recommended vendors and models. Microsoft and Windows are registered trademarks of the Microsoft Corporation in the United States and/or other countries	

## 3. Installation

Insert the TRILUTION LH Software v3.0 Service Pack CD and then follow the on-screen instructions to install the service pack.



## 4. Verification

Name	How to Obtain the Version	Observed Version	Expected Version
Gilson TRILUTION LH 3.0 Service Pack 4	<ol style="list-style-type: none"> <li>1. Start TRILUTION LH from the Desktop icon or from the Start menu.</li> <li>2. If any Windows Security Alerts appear with Gilson, Inc. as the Publisher, click <b>Unblock</b>.</li> <li>3. Log in to TRILUTION LH.</li> <li>4. Click <b>About</b> on the Liquid Handling menu. There should be an indication that "A service pack has been applied."</li> <li>5. On the About screen, click <b>System Info</b>. <ul style="list-style-type: none"> <li>• The service pack version and date of installation is displayed under "Service Packs and Specials".</li> <li>• The database version is displayed under "Database Summary".</li> </ul> </li> </ol>		
			4.0.4.1
			Trilution LH v3.0, DB-Build 68 SP4
Gilson GEARS v1.3	Click the <b>Start</b> button and then select <b>Control Panel-&gt;Programs and Features</b> .		1.3.7.0
Gilson Server v2.1			2.1.2.0
Gilson USB Drivers 64 or Gilson USB Drivers			1.0.0.0
Gilson VERITY 4000 Series Syringe Pump GEARS Plugins			1.1.1.0



## 5. Acceptance

If no installation problems were detected or installation problems that were detected were resolved, have the local Gilson representative who verified the installation of the TRILUTION LH Software Service Pack provide the information requested below.

Gilson Representative: \_\_\_\_\_

Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## 6. Software Overview

Have the end user(s) who were present for software overview for TRILUTION LH Software v3.0 Service Pack provide the information requested below.

Name: \_\_\_\_\_

Name: \_\_\_\_\_

☐ End user was provided with a copy of this document.